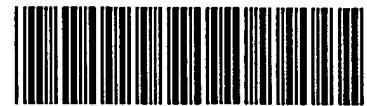


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The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/879,312 A
Source: T4W16
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PATENT APPLICATION: US/09/879,312A

DATE: 03/04/2005

TIME: 15:08:12

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3 <110> APPLICANT: GLIMCHER, LAURIE H.
 4 DOUHAN III, JOHN
 6 <120> TITLE OF INVENTION: HUMAN C-MAF COMPOSITIONS AND METHODS OF USE THEREFOR
 8 <130> FILE REFERENCE: HUI-027CPDV1
 10 <140> CURRENT APPLICATION NUMBER: 09/879,312A
 11 <141> CURRENT FILING DATE: 2001-06-12
 13 <150> PRIOR APPLICATION NUMBER: 09/086,010
 14 <151> PRIOR FILING DATE: 1998-05-27
 16 <160> NUMBER OF SEQ ID NOS: 4
 18 <170> SOFTWARE: PatentIn Ver. 3.3
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 1203
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Homo sapiens
 25 <220> FEATURE:
 26 <221> NAME/KEY: CDS
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 32 1 5 10 15
 34 ctg gcc atg gaa tat gtt aat gac ttc gat ctg atg aag ttt gaa gtg 96
 35 Leu Ala Met Glu Tyr Val Asn Asp Phe Asp Leu Met Lys Phe Glu Val
 36 20 25 30
 38 aaa aag gaa ccg gtg gag acc gac cgc atc atc agc cag tgc ggc cgt 144
 39 Lys Lys Glu Pro Val Glu Thr Asp Arg Ile Ile Ser Gln Cys Gly Arg
 40 35 40 45
 42 ctc atc gcc ggg ggc tcg ctg tcc acc ccc atg agc acg ccc tgc 192
 43 Leu Ile Ala Gly Gly Ser Leu Ser Ser Thr Pro Met Ser Thr Pro Cys
 44 50 55 60
 46 agc tcg gtg ccc ccg tcc ccc agc ttc tcg gcg ccc agc ccg ggc tcg 240
 47 Ser Ser Val Pro Pro Ser Pro Ser Phe Ser Ala Pro Ser Pro Gly Ser
 48 65 70 75 80
 50 cga ggc gaa cag aag gcg cac ctg gaa gac tac tac tgg atg acc ggc 288
 51 Arg Gly Glu Gln Lys Ala His Leu Glu Asp Tyr Tyr Trp Met Thr Gly
 52 85 90 95
 54 tac ccg cag cag ctg aac ccc gag gcg ctg ggc ttc agc ccc gag gac 336
 55 Tyr Pro Gln Gln Leu Asn Pro Glu Ala Leu Gly Phe Ser Pro Glu Asp
 56 100 105 110
 58 gcg gtc gag gcg ctc atc agc aac agc cac cag ctc cgg ggc ggc ttc 384
 59 Ala Val Glu Ala Leu Ile Ser Asn Ser His Gln Leu Arg Gly Gly Phe
 60 115 120 125
 62 gat ggc tat gcg cgc ggg gcg cag cag cta gcc gcg ggc gca 432

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67	Gly	Ala	Gly	Ala	Ser	Leu	Gly	Gly	Ser	Gly	Glu	Glu	Met	Gly	Pro	Ala	
68	145				150						155				160		
70	gcc	gcc	gtg	gtg	tcc	gcc	gtg	atc	gcc	gcg	gcc	gcg	cag	agc	ggc		528
71	Ala	Ala	Val	Val	Ser	Ala	Val	Ile	Ala	Ala	Ala	Ala	Gln	Ser	Gly		
72					165				170				175				
74	gcg	ggc	ccg	cac	tac	cac	cac	cac	cac	cac	gcc	gcc	ggc	cac	cac		576
75	Ala	Gly	Pro	His	Tyr	His	His	His	His	His	Ala	Ala	Gly	His	His		
76					180				185				190				
78	cac	cac	ccg	acg	gcc	ggc	gcf	ccc	ggc	gcc	gcf	ggc	agc	gcf	gcc	gct	624
79	His	His	Pro	Thr	Ala	Gly	Ala	Pro	Gly	Ala	Ala	Gly	Ser	Ala	Ala	Ala	
80					195			200			205						
82	tcg	gcc	ggf	ggc	gct	ggg	ggc	gcf	ggc	ggc	ggf	ggc	ccg	gcc	agc	gtt	672
83	Ser	Ala	Gly	Gly	Ala	Gly	Gly	Ala	Gly	Gly	Gly	Gly	Pro	Ala	Ser	Val	
84					210			215			220						
86	ggg	ggc	ggg	ggc	ggc	gcf	gcf		720								
87	Gly	Ala	Ala														
88	225				230			235			240						
90	ggc	gcc	ctg	cac	ccg	cac	cac	gcc	ggc	ctg	cac	ttc	gac	gac		768	
91	Gly	Ala	Leu	His	Pro	His	His	Ala	Ala	Gly	Gly	Leu	His	Phe	Asp	Asp	
92					245			250			255						
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95	Arg	Phe	Ser	Asp	Glu	Gln	Leu	Val	Thr	Met	Ser	Val	Arg	Asp	Trp	Asn	
96					260			265			270						
98	cgf	cag	ctg	cgc	ggg	gtc	agc	aag	gag	gag	gtg	atc	cgf	ctg	aag	cag	864
99	Arg	Gln	Leu	Arg	Gly	Val	Ser	Lys	Glu	Glu	Val	Ile	Arg	Leu	Lys	Gln	
100					275			280			285						
102	aag	agg	cgf	acc	ctg	aaa	aac	cgc	ggc	tat	gcc	aag	tcc	tgc	cgc	ttc	912
103	Lys	Arg	Arg	Thr	Leu	Lys	Asn	Arg	Gly	Tyr	Ala	Lys	Ser	Cys	Arg	Phe	
104					290			295			300						
106	aag	agg	gtg	cag	cag	aga	cac	gtc	ctg	gag	tcg	gag	aag	aac	cag	ctg	960
107	Lys	Arg	Val	Gln	Gln	Arg	His	Val	Leu	Glu	Ser	Glu	Lys	Asn	Gln	Leu	
108	305				310			315			320						
110	ctg	cag	caa	gtc	gac	cac	ctc	aag	cag	gag	atc	tcc	agg	ctg	gtg	cgc	1008
111	Leu	Gln	Gln	Val	Asp	His	Leu	Lys	Gln	Glu	Ile	Ser	Arg	Leu	Val	Arg	
112					325			330			335						
114	gag	agg	gac	gcf	tac	aag	gag	aaa	tac	gag	aag	ttg	gtg	agc	agc	ggc	1056
115	Glu	Arg	Asp	Ala	Tyr	Lys	Glu	Lys	Tyr	Glu	Lys	Leu	Val	Ser	Ser	Gly	
116					340			345			350						
118	tcc	cga	gaa	aac	ggc	tcg	agc	agc	gac	aac	ccg	tcc	tct	ccc	gag	ttt	1104
119	Phe	Arg	Glu	Asn	Gly	Ser	Ser	Ser	Asp	Asn	Pro	Ser	Ser	Pro	Glu	Phe	
120					355			360			365						
122	tcc	ata	act	gag	ccc	act	cgc	aag	ttg	gag	cca	tca	gtg	gga	tac	gcc	1152
123	Phe	Ile	Thr	Glu	Pro	Thr	Arg	Lys	Leu	Glu	Pro	Ser	Val	Gly	Tyr	Ala	
124					370			375			380						
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127	Thr	Phe	Trp	Lys	Pro	Gln	His	Arg	Val	Leu	Thr	Ser	Val	Phe	Thr	Lys	

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TIME: 15:08:13

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146	Lys Lys Glu Pro Val Glu Thr Asp Arg Ile Ile Ser Gln Cys Gly Arg				
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152	Ser Ser Val Pro Pro Ser Pro Ser Phe Ser Ala Pro Ser Pro Gly Ser				
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155	Arg Gly Glu Gln Lys Ala His Leu Glu Asp Tyr Tyr Trp Met Thr Gly				
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158	Tyr Pro Gln Gln Leu Asn Pro Glu Ala Leu Gly Phe Ser Pro Glu Asp				
159	100	105	110		
161	Ala Val Glu Ala Leu Ile Ser Asn Ser His Gln Leu Arg Gly Gly Phe				
162	115	120	125		
164	Asp Gly Tyr Ala Arg Gly Ala Gln Gln Leu Ala Ala Ala Gly Ala				
165	130	135	140		
167	Gly Ala Gly Ala Ser Leu Gly Gly Ser Gly Glu Glu Met Gly Pro Ala				
168	145	150	155	160	
170	Ala Ala Val Val Ser Ala Val Ile Ala Ala Ala Ala Gln Ser Gly				
171	165	170	175		
173	Ala Gly Pro His Tyr His His His His His Ala Ala Gly His His				
174	180	185	190		
176	His His Pro Thr Ala Gly Ala Pro Gly Ala Ala Gly Ser Ala Ala Ala				
177	195	200	205		
179	Ser Ala Gly Gly Ala Gly Gly Gly Gly Pro Ala Ser Val				
180	210	215	220		
182	Gly Ala Ala				
183	225	230	235	240	
185	Gly Ala Leu His Pro His His Ala Ala Gly Gly Leu His Phe Asp Asp				
186	245	250	255		
188	Arg Phe Ser Asp Glu Gln Leu Val Thr Met Ser Val Arg Asp Trp Asn				
189	260	265	270		
191	Arg Gln Leu Arg Gly Val Ser Lys Glu Glu Val Ile Arg Leu Lys Gln				
192	275	280	285		
194	Lys Arg Arg Thr Leu Lys Asn Arg Gly Tyr Ala Lys Ser Cys Arg Phe				
195	290	295	300		
197	Lys Arg Val Gln Gln Arg His Val Leu Glu Ser Glu Lys Asn Gln Leu				
198	305	310	315	320	
200	Leu Gln Gln Val Asp His Leu Lys Gln Glu Ile Ser Arg Leu Val Arg				
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PATENT APPLICATION: US/09/879,312A

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204 340 345 350
206 Phe Arg Glu Asn Gly Ser Ser Ser Asp Asn Pro Ser Ser Pro Glu Phe
207 355 360 365
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221 <213> ORGANISM: Mus musculus
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224 <221> NAME/KEY: CDS
225 <222> LOCATION: (1)..(1119)
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232 ctg gcc atg gaa tat gtt aat gac ttc gat ctg atg aag ttt gaa gtg 96
233 Leu Ala Met Glu Tyr Val Asn Asp Phe Asp Leu Met Lys Phe Glu Val
234 20 25 30
236 aaa aag gaa ccg gtg gag acc gac cgc atc atc agc cag tgc ggc cgt 144
237 Lys Lys Glu Pro Val Glu Thr Asp Arg Ile Ile Ser Gln Cys Gly Arg
238 35 40 45
240 ctc atc gcc ggg ggc tcg ctg tcc acc ccc atg agc acg ccc tgc 192
241 Leu Ile Ala Gly Gly Ser Leu Ser Ser Thr Pro Met Ser Thr Pro Cys
242 50 55 60
244 agc tcg gtg ccc ccg tcc ccc agc ttc tcg gcg ccc agc ccg ggc tcg 240
245 Ser Ser Val Pro Pro Ser Pro Ser Phe Ser Ala Pro Ser Pro Gly Ser
246 65 70 75 80
248 ggc agc gaa cag aag gcg cac ctg gaa gac tac tac tgg atg acc ggc 288
249 Gly Ser Glu Gln Lys Ala His Leu Glu Asp Tyr Tyr Trp Met Thr Gly
250 85 90 95
252 tac ccg cag cag ctc aac ccg gag gcg ctg ggc ttc agc ccg gag gac 336
253 Tyr Pro Gln Gln Leu Asn Pro Glu Ala Leu Gly Phe Ser Pro Glu Asp
254 100 105 110
256 gcg gtc gag gcg ctc atc agc aac agc cac cag ctc cag ggt ggc ttc 384
257 Ala Val Glu Ala Leu Ile Ser Asn Ser His Gln Leu Gln Gly Gly Phe
258 115 120 125
260 gat ggc tat gcg cgg gga gcg cag cag ctg gcc gcg gca gcg ggg gcc 432
261 Asp Gly Tyr Ala Arg Gly Ala Gln Gln Leu Ala Ala Ala Ala Gly Ala
262 130 135 140
264 ggc gcc ggc gcc tcc ctg ggc ggc agc ggc gag gag atg ggc ccc gcc 480
265 Gly Ala Gly Ala Ser Leu Gly Gly Ser Gly Glu Glu Met Gly Pro Ala
266 145 150 155 160
268 gcc gcc gtg gtg tcc gcc gtg atc gcc gcg gcc gcc gcg cag agc ggc 528
269 Ala Ala Val Val Ser Ala Val Ile Ala Ala Ala Ala Gln Ser Gly
270 165 170 175

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276	c	a	c	t	c	c	g	a	c	g	g	c	g	g	c	g	g	t	c	t	t	c	c	624								
277	H	i	s	H	i	P	r	T	h	A	l	G	y	A	l	P	G	l	T	h	A	l	G	y	A	l	S	e	r			
278	195														200														205			
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281	S	e	r	S	e	A	s	N	G	A	L	G	Y	A	L	G	Y	G	Y	G	P	R	O	A	L	A	N	T				
282	210														215														220			
284	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	720					
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292	c	g	c	t	t	c	g	a	c	t	t	g	t	t	g	c	g	g	a	c	t	g	a	c	c	c	816					
293	A	rg	P	he	S	e	R	A	p	G	lu	G	ln	L	e	u	V	al	T	hr	M	et	S	er	V	al	A	rg				
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296	c	g	c	a	g	t	c	g	a	c	t	g	t	t	g	c	g	g	a	c	t	g	a	c	c	c	864					
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298	275														280														285			
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/879,312A

DATE: 03/04/2005

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